

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/08633

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04J3/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04J H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	ETSI: "Transmission and Multiplexing (TM); Generic requirements of transport functionality of equipment; Part 1-1: Generic processes and performance" ETSI EN 300 417-1-1 V1.2.1 (2001-10), 'Online! - 12 October 2001 (2001-10-12) pages 1-151, XP002273772 Retrieved from the Internet: <URL:http://webapp.etsi.org/EDSupdate/List File.asp> 'retrieved on 2004-03-12!	1,9,16
A	9 Protection process, pages 80-91; Annex L (normative): Generic specification of linear protection switching operation, pages 132-141 --- -/--	2-8, 10-15

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

17 March 2004

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26/04/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Carballo da Costa, E

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 1 014 611 A (CIT ALCATEL) 28 June 2000 (2000-06-28) abstract	1, 9, 16
A	column 1, line 1 -column 7, line 46 column 9, line 28 -column 11, line 3	2-8, 10-15
A	----- MIYAZAKI T ET AL: "A DEMONSTRATION OF AN OPTICAL SWITCH CIRCUIT WITH BRIDGE AND SWITCH FUNCTION IN WDM FOUR-FIBER RING NETWORKS" IEICE TRANSACTIONS ON COMMUNICATIONS, INSTITUTE OF ELECTRONICS INFORMATION AND COMM. ENG. TOKYO, JP, vol. E82-B, no. 2, February 1999 (1999-02), pages 326-333, XP000940183 ISSN: 0916-8516 the whole document	1-16
A	----- US 2002/150042 A1 (LE GALL LOIC ET AL) 17 October 2002 (2002-10-17) page 1, paragraph 5 - paragraph 25 page 3, paragraph 40 - paragraph 46	1-16
A	----- EP 1 280 374 A (CIT ALCATEL) 29 January 2003 (2003-01-29) column 2, line 31 -column 3, line 34 column 4, line 54 -column 5, line 16 column 6, line 37 - line 43 column 7, line 47 -column 8, line 1 column 9, line 33 -column 11, line 5 figure 6 -----	1-16

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Information on patent family members

International Application No

PCT/EP 03/08633

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1014611	A	28-06-2000	IT MI982791 A1	23-06-2000
			EP 1014611 A2	28-06-2000
			JP 2000196524 A	14-07-2000
US 2002150042	A1	17-10-2002	FR 2810746 A1	28-12-2001
			EP 1168695 A1	02-01-2002
			WO 0199319 A1	27-12-2001
			JP 2004501567 T	15-01-2004
EP 1280374	A	29-01-2003	EP 1280374 A1	29-01-2003
			CN 1400781 A	05-03-2003
			US 2003041208 A1	27-02-2003